

# Product Datasheet

## IKK beta Antibody (10A9B6) - Azide Free NBP2-33214

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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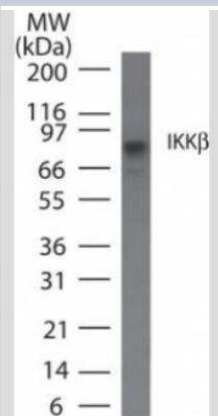
**NBP2-33214**

IKK beta Antibody (10A9B6) - Azide Free

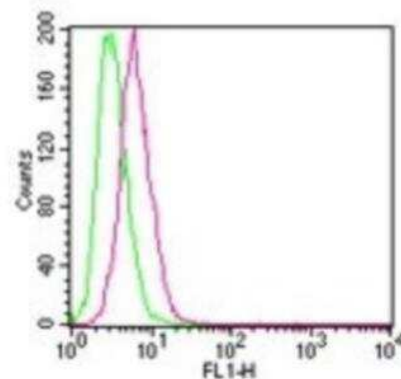
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	10A9B6
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS - BSA free
Product Description	
Host	Mouse
Gene ID	3551
Gene Symbol	IKBKB
Species	Human, Mouse
Immunogen	Full-length human IKKb/IKK2 recombinant protein was used as immunogen (NP_001547).
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Flow (Intracellular), Gel Super Shift Assays, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Western Blot 2-5 ug/ml, Simple Western 1:12.5, Flow Cytometry 1ul/1 million cells, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 24825920), Immunoprecipitation 2-5 ug/10 <sup>6</sup> cells, Gel Super Shift Assays reported in scientific literature (PMID 19662631), Flow (Intracellular)
Application Notes	An approx. 87 kDa band should be observed. In Simple Western only 10-15 uL of the recommended dilution is used per data point. See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: antibody dilution of 1:12.5

## Images

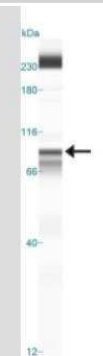
Western Blot: IKK beta Antibody (10A9B6) - Azide Free [NBP2-33214] - Analysis in Daudi cell lysate using IKK beta antibody at 5 ug/ml.



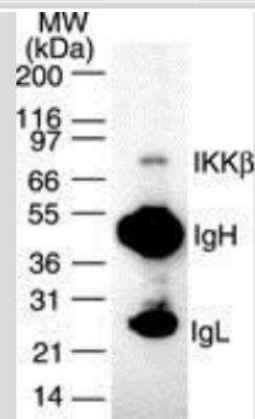
Flow Cytometry: IKK beta Antibody (10A9B6) - Azide Free [NBP2-33214] - Analysis using the Alexa Fluor (R) 488 conjugate. Staining of IKK in HEK 293 cells using 0.1 ug of this antibody. Green histogram represents the isotype control, red represents the IKK antibody.



Simple Western: IKK beta Antibody (10A9B6) - Azide Free [NBP2-33214] - Lane view shows a specific band for IKK beta in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. \*Non-specific interaction with the 230 kDa standard may be seen with this antibody.



Immunoprecipitation: IKK beta Antibody (10A9B6) - Azide Free [NBP2-33214] - Antibody was used to immunoprecipitate IKKb from  $1 \times 10^6$  Daudi cells and the immuno-precipitated protein was detected by western blotting using NB100-56509. IKKb was detected as a protein of ~87 kD.



## Publications

Harding O, Holzer E, Riley JF et al. Damaged mitochondria recruit the effector NEMO to activate NF- $\kappa$ B signaling Molecular cell 2023-09-07 [PMID: 37683611] (ICC/IF, Human)



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### **Products Related to NBP2-33214**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB600-477PEP	IKK beta Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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